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# Presentation to Tobacco Settlement Revenue Oversight Committee

Blaine (Jess) Benson, Pharm.D., DABAT

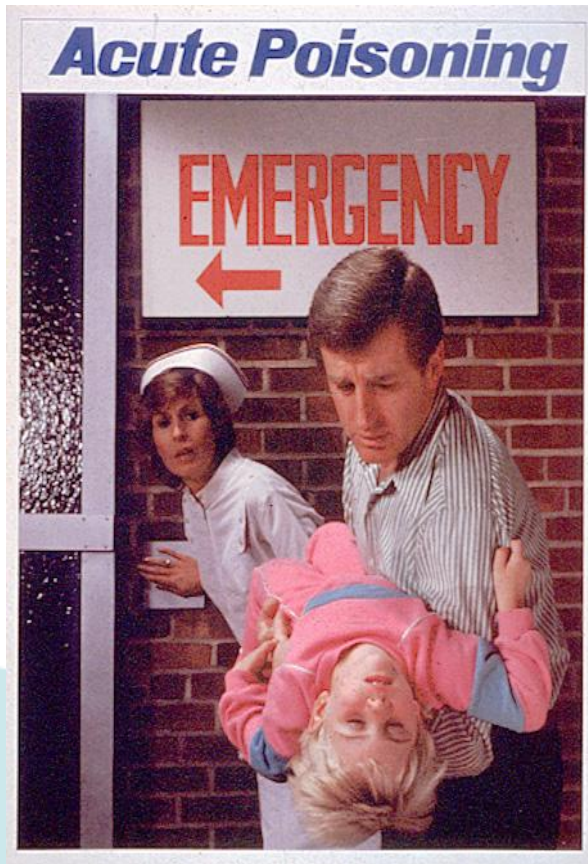
Director

New Mexico Poison & Drug Information Center

[jebenson@salud.unm.edu](mailto:jebenson@salud.unm.edu)

(505) 272-4261

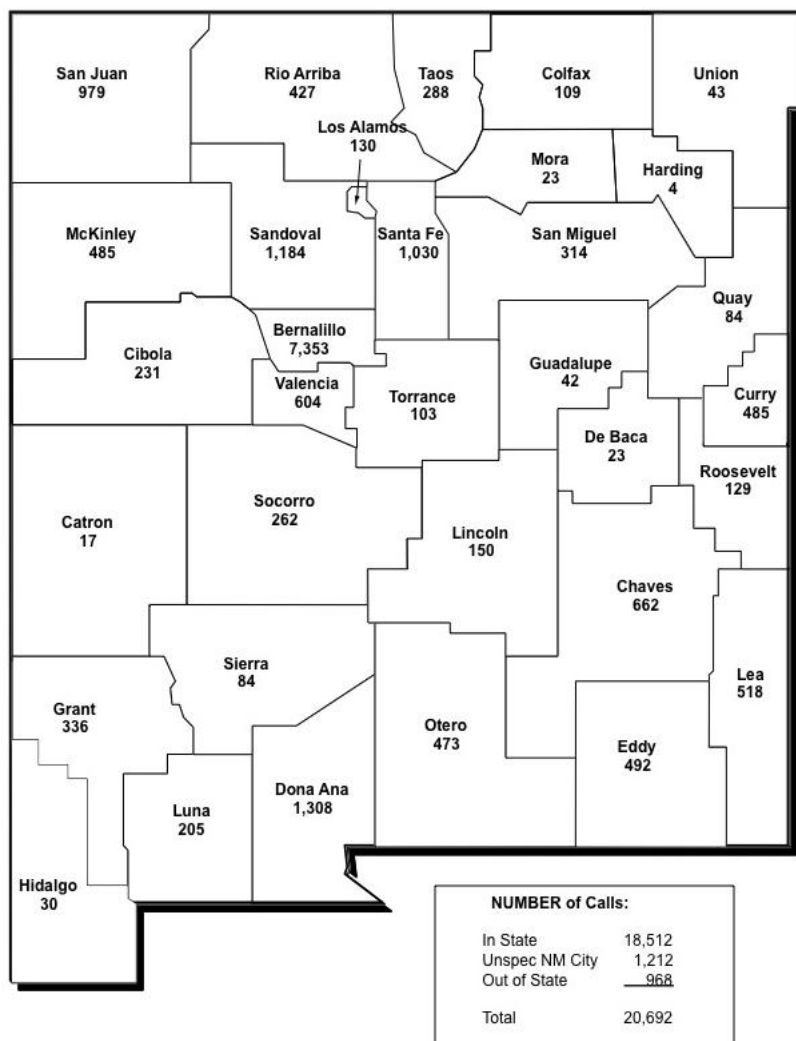
# Poisoning Facts



- 2-4 Million poisoning per year in US
- 438,000 hospitalizations
- 41,600 deaths
- Second highest cause of unintentional injury deaths
- Annual cost of poisoning is \$4.4 billion

# New Mexico Poison & Drug Information Center

NMPDIC Human Poisoning  
Cases by County (Excluding Confirmed Non-exposures)  
FY 2012-2013



- 24-hour emergency telephone service
- Staffed by specially-trained pharmacists
- Accessible via a nationwide 800 number

# Mission of NMPDIC



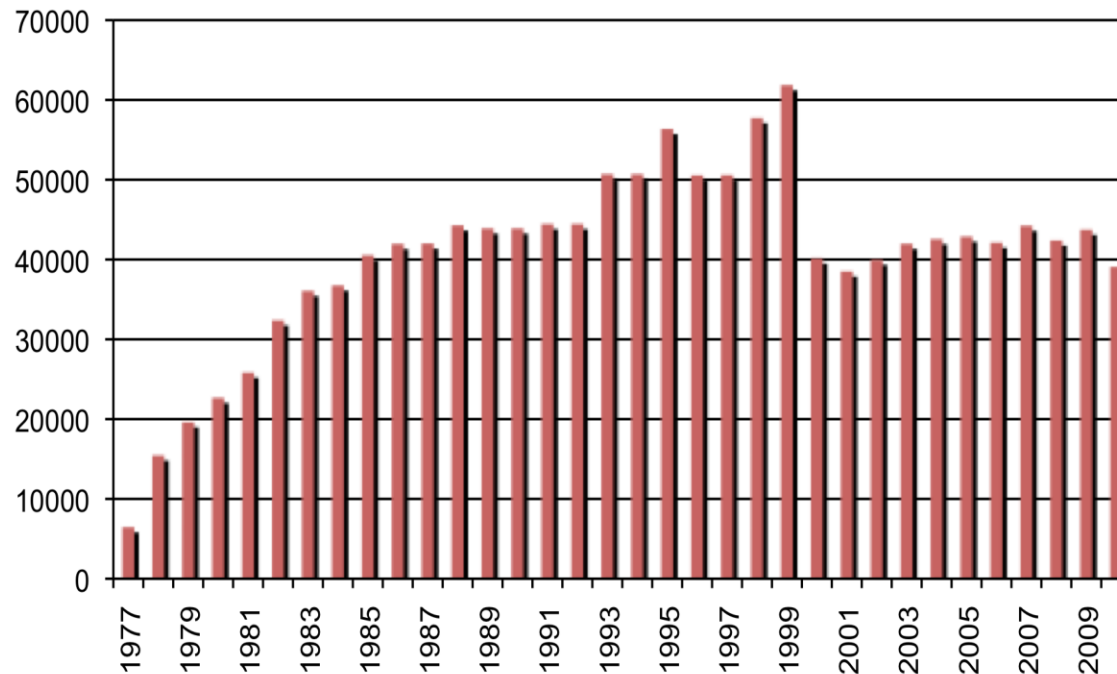
The mission of the New Mexico Poison & Drug Information Center (NMPDIC) is to improve the health of New Mexicans by reducing morbidity and mortality associated with poisoning, adverse drug interactions and medication errors.

## **Service Components**

- Poison Information
- Drug Information
- DOH All Hazards



# Program Use (FY12-13)



- 30,345 calls
- 118 poison prevention outreach programs
- 55,915 materials distributed
- 91% counties with acceptable utilization rates
- 143 bedside consults
- Teaching site for 64 students (4 week rotation)

# Service Impacts

- Lives saved
- Reduced cost of care
- Reduced hospitalization stay
- Poisonings, therapeutic errors, and adverse drug events prevented
- Improved response to medication

# Cost Reduction Associated With Emergency Room Use (FY 12-13)

- Cost If Poison Center Was Not Operating
  - Total exposures X Average ED charge
  - $20,832 \times \$1,265^* = \$26,352,480$
- Cost Savings
  - Exposures managed at home X Average ED charge
  - $13,800 \times \$1265 = \$17,457,000$
- Cost Reduction
  - $\$17,457,000 / \$26,352,480 = 66\%$



\*2008 DHHS Medical Expenditure Panel Survey

# Cost Reduction Associated with Minimizing Inpatient Stays

- New Jersey Poison Center experience
  - Compared the length of stay for admitted poisoning cases where poison center was contacted cases versus non-contact cases (2002)
  - Median length of stay PC:
    - PC Contact: 2 days
    - No Contact: 5 days
- Applied to New Mexico (FY 12-13)
  - 1,522 cases x 3 days => 4,566 days
  - 4,566 X \$6,000 => \$27.4 M





# Other Contributions

- Assist law enforcement with identification of tablets
- Assist DOH by providing All Hazards Emergency Telephone Service (activated in 2001, 2003, 2004, 2007, and 2009)
- Assist DOH with counter-agent preparedness efforts
- Assist DOH with Hospital Vulnerability Assessment
- NM DOH Toxikosurveillance (e.g levamisole contaminated cocaine)
- Assist OMI difficult case conference
- Professional education outreach to rural hospitals
- NM House Memorial 77 (Prescription drug task force)
- 2 multicenter phase 3 clinical trials
- Numerous publications and professional presentations

# FY 12-13 NMPDIC Funding Sources

Source	Unrestricted	Restricted	Total
State Appropriation*	\$1,484,600		\$1,484,600
Tobacco SF*	\$590,300		\$590,300
HRSA		\$111,270	\$131,628
Total	\$2,074,900	\$111,270	\$2,186,170

# Program Expenses

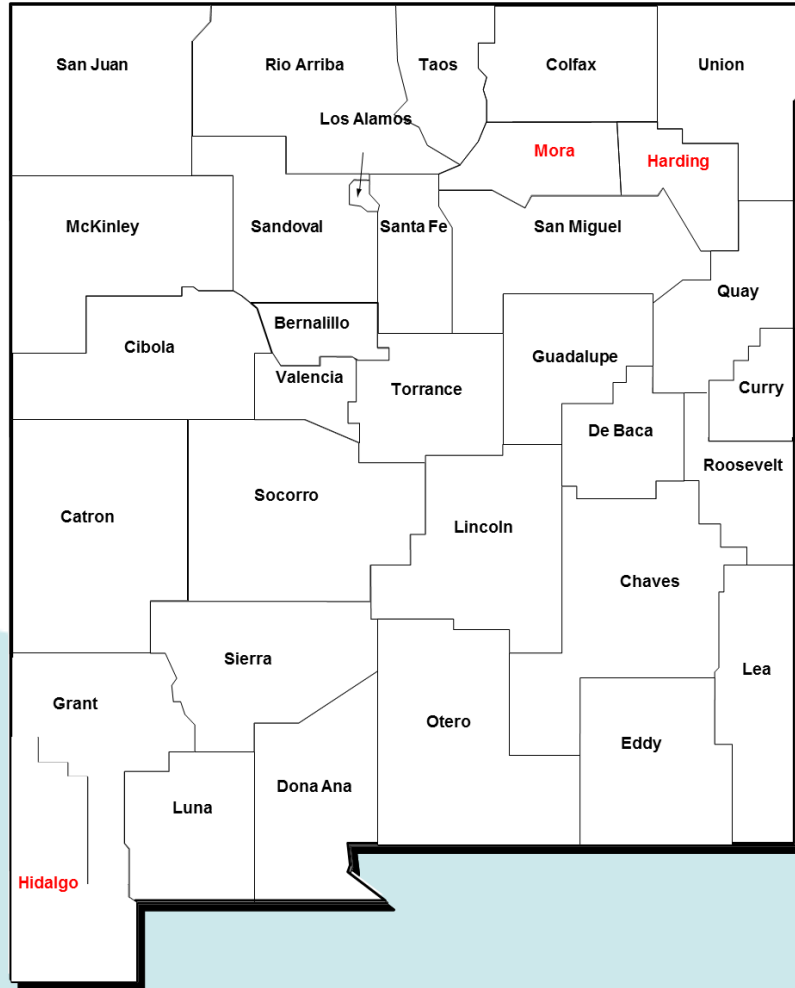
- Personnel (88%)
  - 2 Physicians (1 vacancy)
  - 12 Pharmacists
  - 2 Pharmacy Technicians
  - 1 Health Educator
  - 1 Administrative Assistant
  - 1 Work-study student
- Computer software (3%)
- Telephone (2%)
- Other (7%)
  - Educational materials
  - Travel expenses
  - Office supplies

# National Trends In Poison Control

- Decrease number calls to poison control centers
  - Decline started in 2007
  - Unclear what factors are responsible for the lower call volumes
- Increase in hospital calls to poison control
  - Increase in the severity of poisoning in children
- Decrease overall utilization rate in U.S.

# NMPDIC Utilization

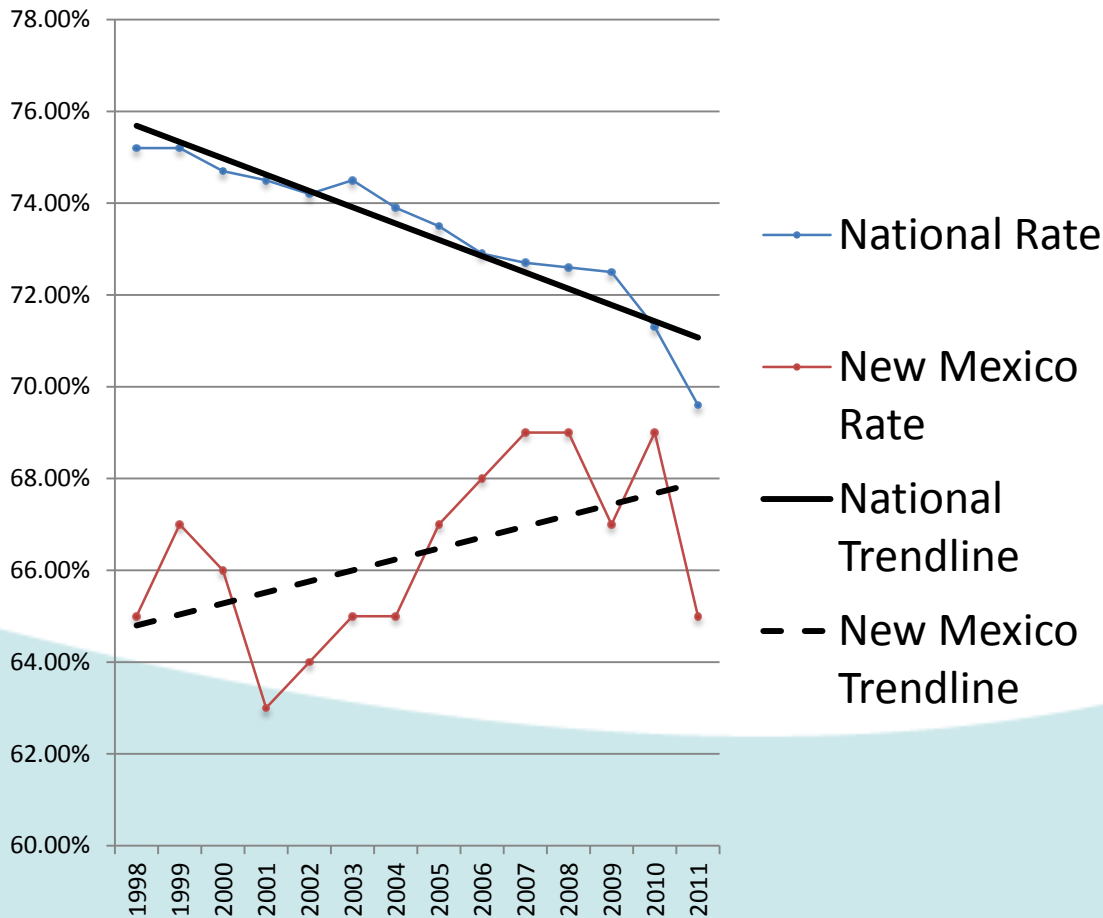
Poison Center Utilization  
FY 2012-2013, Red Print For Counties With Penetration < 7 per 1000  
population



- 91% of counties have acceptable penetration rates
- Despite drops in national call volumes and in national utilization rates, there has been no real change in NMPDIC utilization for assistance with human poisoning.



# Home Treatment Rates



- Home treatment rates determine cost savings associated with program
- Home treatment rates in NM have increased with refinement of internal guidelines

# Summary

- In FY13, tobacco settlement funds provided
  - Direct support to 8,194 callers
  - 32 poison prevention programs
  - 15,100 poison prevention materials to schools
  - 10 public service announcements
  - Poison center messages to 708,000 New Mexicans
  - Reduced health care expense by \$4.71 M
- NMPDIC has maintained high home treatment and utilization rates despite erosion of similar national rates